

# K50

Biostimulants & Quality Improvement

## Use

To correct nutrient deficiency and enhance crop quality.

## Crops

A wide range of crops including lettuce and leafy salads, bulbs and outdoor flowers hardy and protected ornamentals

## Pack Size

10 litres

## Function of K50

The main role of potassium in the plant is as a water regulator and in this role it influences many plant processes. It is particularly important in the regulation of cell water content, cell turgidity and rates of transpiration. The translocation of photosynthesates and a number of plant enzymes all depend on potassium.

K50 is based on potassium carbonate. When applied to the surface of a leaf or fruit it creates a physical barrier that prevents or delays mycellial growth infection. It is not a fungicide and has no



Analysis	w/w	w/v
Nitrogen (N)	2.0%	3.0%
Potassium (K <sub>2</sub> O)	33.0%	50.0%

## ◆ Directions for Use

Use K50 when potash deficiency is diagnosed or suspected, or as part of an integrated crop management programme. Foliar uptake will be enhanced by the addition of SW7<sup>1</sup>.

Apply 2-5 L/ha, in a minimum of 200 L/ha water. Small areas: rate in ml/L of water as below, apply to the point of run off. Do not exceed 10L per 100m<sup>2</sup> of crop.

The spray tank should be filled with half the required water. If applicable, add the required amount of SW7 to the water before the K50. After shaking the container, measure the required amount of K50 and add to the tank whilst maintain constant agitation. Add remaining water to the correct dilution and spray.

Crop	Timing	Rate L/ha	Rate ml/L water	Comments
Protected Edibles	As required	2		Apply when deficiency is suspected or diagnosed, repeat after 10-14 days
	In periods of heavy fruiting	3		Benefits skin finish
Lettuce and Leafy Salads	As required	2		Apply when deficiency is suspected, repeat after 10-14 days
		5		Apply when deficiency is diagnosed. Repeat as necessary
Bulbs & Outdoor Flowers	During bud initiation and main flowering period	2		Apply up to 4 applications at 10-14 day intervals
Hardy Nursery Stock	As required	5	5	Apply when deficiency is suspected or diagnosed, repeat after 10-14 days
	For hardening late season	3-5	3-5	3-5 applications from late summer at 10-14 day intervals
Protected Ornamentals	From bud initiation	2	2	Apply up to 4 applications at 10-14 day intervals
Soft Fruit	As required	3-5		Apply when deficiency is suspected or diagnosed, repeat after 10-14 days

## ◆ Notes

Do not apply in tank mix with pesticides when crop is showing deficiency symptoms, is under stress, or in adverse weather conditions.

For further information on compatibility, tank mixing and for physical compatibility with pesticides refer to the website [www.omex.co.uk](http://www.omex.co.uk)

<sup>1</sup> SW7 is an adjuvant designed to help with improved wetting and spreading of the spray solution on the leaf surface. SW7 should be added at 0.1% of the spray volume, e.g. 100 ml in 100 litres of water. Maintain agitation and apply immediately after mixing.

**For more information contact:** OMEX Horticulture, Estuary Road, King's Lynn, Norfolk, PE30 2HH

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